IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (previously amended) A hearing aid with a microphone system (1) and a subsequent analog/digital converter (5), wherein the microphone system (1) is encapsulated in an electromagnetic shielding case (3) forming a shielded microphone system unit and further wherein the analog/digital converter (5) is mounted on an outside of the electromagnetic shielding case (3).

2. (previously amended) The hearing aid as claimed in claim 1, wherein the analog/digital converter (5) is encapsulated in a converter shielding case (7a, 7b) which is set to the electrical potential of the electromagnetic shielding case (3) of the microphone system.

3. (previously amended) The hearing aid as claimed in claim 1, wherein the microphone system (1) and the analog/digital converter (5) are detachably combined in modular manner.

4. (previously amended) The hearing aid as claimed in claim 1, wherein said analog/digital converter comprises first and second analog inputs (E_1, E_2), said first analog input (E_1) having a first input impedance (Z_1) and a first input gain (G_1), said second analog input (E_2) having a second input impedance (Z_2) and a second input gain (G_2), and wherein either said first and second input impedances (Z_1, Z_2) are different from one another or said first and second input gains (G_1, G_2) are different from one another.

5. (previously added) The hearing aid as claimed in claim 2, wherein the microphone system (1) and the analog/digital converter (5) are detachably combined in modular manner.

6. (previously amended) The hearing aid as claimed in claim 2, wherein said analog/digital converter comprises first and second analog inputs (E_1, E_2), said first analog input (E_1) having a first input impedance (Z_1) and a first input gain (G_1) , said second analog input (E_2) having a second input impedance (Z_2) and a second input gain (G_2), and wherein either said first and second input impedances (Z_1, Z_2) are different from one another or said first and second input gains (G_1, G_2) are different from one another.

7. (previously amended) The hearing aid as claimed in claim 3, wherein said analog/digital converter comprises first and second analog inputs (E_1, E_2), said first analog input (E_1) having a first input impedance (Z_1) and a first input gain (G_1) , said second analog input (E_2) having a second input impedance (Z_2) and a second input gain (G_2), and wherein either said first and second input impedances (Z_1, Z_2) are different from one another or said first and second input gains (G_1, G_2) are different from one another.

8. (previously added) A hearing aid comprising:
a microphone;
an electromagnetic shielding case for encapsulating said microphone; and
an analog/digital converter mounted on an outside of said electromagnetic shielding case and
electromagnetically shielded from said microphone.

(new) A hearing aid comprising:

a microphone;

an electromagnetic shielding case for encapsulating said microphone; and

an analog/digital converter mounted in such a manner that it is electromagnetically shielded from said microphone.